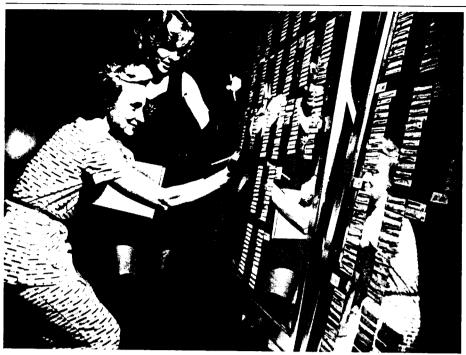


# BROOKHAVEN BULLETIN

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July 11, 1975

Volume 29 - Number 27



Lucy Kinne (left), a member of the Hospitality Committee, gives Sharon Rosenhagen, assistant chairman of the BNL Blood Drive, a hand registering donors.

# Blood Drive - A Success

More blood was drawn during this year's visit by the Bloodmobile since the first blood drive in 1971.

On June 26 and 27, 742 persons gave a total of 93 gallons of life-giving blood. This compares to 724 donation last year and 810 in 1971, the first year of the BNL Blood Program.

Once again, the Lab has met the quota required by the Greater New York Blood Program, assuring all BNL employees and their immediate families of an unlimited supply of blood when needed for one year. This also applies to employees who did not donate.

When requiring blood, employees should inform the hospital of the Lab's membership in the Greater New York Blood Program and then call the Personnel Office at the Lab for the necessary paperwork.

The success of this year's blood drive was due to its coordination by Gerry Kinne and Sharon Rosenhagen, the voluntary aid of the members of the Hospitality Committee and the efficient conversion of the Brookhaven Center into a donation center by Plant Engineering and Staff Services.



Al Prodell, Accelerator, rests a little after donating a pint of blood.



Relaxed donors wait their turn to give blood.

## Velardi Paintings To Hang In Hecksher Exhibition

Two paintings by Esterina Velardi will be shown at the Hecksher Museum, Huntington, July 20 – August 31, in an exhibition entitled "Twenty Women Artists." Other recent Velardi showings on Long Island have been at Gallery North, the State University at Stony Brook and the Parrish Art Museum in Southampton. Ms. Velardi holds a degree from the Yale University of Art and Architecture and is married to William S. Hillman, Biology.

## Official & Special Events

Monday, July 14
ISABELLE Summer Study (July 14-25)
Wednesday, July 16
Navy Meeting

Sunday, July 20
Pulmonary Project Site Review
(July 20-22)
Tuesday, July 22
Seaton Hall Tour
Thursday, July 24
ERDA Construction Team

# Winsche Becomes Energy Head Hendrie New DAS Chairman

On July 1, Warren Winsche left his position as Chairman of the Department of Applied Science to become BNL's first Associate Director for Energy. Succeeding him as DAS head, for a five-year term, is Joseph Hendrie, former head of the Engineering Division of DAS.

In his new role, Winsche will have overall responsibility for the Laboratory's research and development programs on energy systems and energy technologies, including reactor safety support programs for the Nuclear Regulatory Commission (NRC). Environmental and health-related aspects will remain the realm of Associate Director Victor Bond.

Winsche forsees his new office serving as an information-coordination center for energy research. He believes that there are many basic research efforts at the Lab that are indirectly related to energy, and the difficulty lies in learning about them and relating them to the applied research going on outside Brookhaven.

He wants to encourage individuals working in different areas on related research to work together. There is a lack of communication between researchers, he says, so people might be working on related research and not know about it. He hopes to bridge the gap in communication by keeping abreast of all energy related research at the Lab and other institutions.

Besides serving as a source of energy information within the Laboratory, Winsche would like to be a source that local outside interests could rely on. If state or local government officials or members of industry had questions regarding energy, he hopes that they would feel free to come to him. "Things are so complicated that sometimes it is difficult for people to know where to go for information or how to go about finding out," said Winsche.

Winsche's knowledge of the energy field is well grounded. While Chairman of DAS, a position he held for 13 years, he pursued active research interests in the order bed breeder reactor, the role of hydrogen in the future energy industry and the use of high rate chemical reactors in energy production systems. During his tenure as chairman a broad base of energy related programs were developed including energy systems analysis, energy storage development and fusion reactor technology, nuclear material safeguards, concrete polymer development, atmospheric sciences and coastal oceanography.

During this same period, there was a wide gradual evolution of many of the basic programs such as material development in superconductivity, various research areas in molecular sciences, such as porphoryn research, metal hydride systems and nucleation phenomena.

Winsche came to Brookhaven in 1946 when he headed the Pile Engineering Division and participated in the design of the Brookhaven Graphite Research Reactor and the Hot Laboratory. He left the Lab for ten years, starting in 1952, to become a Senior Research Supervisor and later a Research Manager at E.I. duPont de Nemours. During this period he was also involved in the design and operation of the chemical processes at the Savannah River Plant. Later, he was responsible for modification of these plants for new needs, including the large scale production of plutonium-238.

Joseph Hendrie, a Senior Physicist, is a likely successor as DAS Chairman. He has a strong and noted background in reactor technology, particularly the safety aspects.

Hendrie has made significant contributions in reactor engineering, in the development of research reactors, and in advancing the safety of large power reactors. His many contributions to reactor safety, particularly to the safety of large commercial power reactors, have been made principally through his membership on the Advisory Committee on Reactor Safeguards. He was on the Committee from 1966 through 1972, and served as its chairman in 1970.

Hendrie directed the design, construction and operation of BNL's High Flux Beam



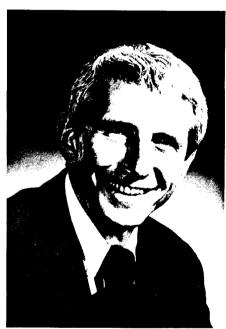
Warren E. Winsche

Reactor (HFBR). His other accomplishments include investigations on the diffusion properties of thermal reactors and of the deleterious effects of plutonium buildup on the temperature coefficient of the graphite-uranium reactor.

In 1970, Hendrie was one of five recipients of the E.O. Lawrence Memorial Award. The five scientists were honored for meritorious contributions in the field of atomic energy. Hendrie received the award for his outstanding contributions to the physics and engineering of versatile research reactors and for his leadership in promoting the safety of large power reactors.

Hendrie began his professional career at the Radiation Laboratory at Columbia University in 1950. In 1955 he accepted a posision at BNL as an Assistant Physicist.

In 1972 Hendrie was appointed Deputy Director for Technical Review in the then AEC's Directorate of Licensing. The licensing directorate performed all activities related to staff review and processing of applications for nuclear power plants and



Joseph M. Hendrie

other facilities' licenses, radioactive material licenses and the licensing of reactor operations

Upon returning to BNL in 1974, Hendrie was cited by AEC Director of Regulation, L. Manning Muntzing, for his technical competency and sound judgement during a critical period of reorganizing within the AEC. In a letter addressed to Laboratory Director George Vineyard, Director Muntzing said of Hendrie, "Through his leadership as Deputy Director of Licensing for Technical Review, we have developed consistency and efficiencies in the most difficult area of regulation."

Prior to leaving BNL for his two-year appointment with Directorate of Licensing, Hendrie was the head of the Engineering Division of DAS.

# **Monday Set For** Isabelle Study

Over the weekend, physicists from all over the world will begin arriving at BNL for the start of the ISABELLE Summer Study on Monday. To date, 108 persons have registered to attend.

The last summer study was held in 1972, during which preliminary ideas for the design and physics of the machine were discussed and modified. This year's ISA-BELLE study will delve into more specific questions concerning the construction and use of the intersecting storage accelerator.

Since the 1972 conference several things have happened to shed a more optimistic light on the machine. In 1974 a subpanel of the High Energy Physics Advisory Committee, headed by Professor Victor Weisskopf, of MIT, recommended to the AEC that ISABELLE be built at Brookhaven. They also encouraged BNL to continue research and development work on ISA-BELLE with the hope that the machine would be funded for construction in the

The subpanel, this time chaired by Professor Francis Low of MIT, met again last month. Although their report is not available yet, Professor Low notified Laboratory Director George Vineyard informally that they are recommending funding for ISABELLE in fiscal year 1977.

These two developments have created a surge of optimism in the high energy physics community. Representatives from nearly every high energy physics facility in the world will be joining together at the summer study to make certain that the design of ISABELLE and associated experimental facilities are as well though out as possible.

The primary aim of the summer study is to give scientists who would propose experiments at ISABELLE the opportunity to influence its design. In this way the widest range of ideas will be available for consid-

During this year's summer study the participants will also be addressing specific physics questions to determine how ISA-BELLE might help answer them.

The first two days of the two-week summer study will be spent reviewing the status of the machine design and the physics program associated with it. This part of the summer study will be open to the entire high energy physics community. The remaining time will be devoted to parallel working sessions of the participants, covering specific topics.

A banquet will be held on July 23, featuring Dr. Steven Weinberg, Professor of Physics at Harvard University, as the guest speaker.

Preparations for the ISABELLE Summer Study, underway for nearly a year, were the result of hard work by the Summer Study Organizing Committee. Members of the committee, headed by Aihud Pevsner of Johns Hopkins, are Larry Sulak, Harvard, and Harold Hahn and George Kalbfleisch of BNL.

### **July Service Awards**

Twenty-Five Years Herbert Susskind ..... Applied Science George W. Woodson ..... Applied Science

Twenty Years Albert Geiger ..... ..... Central Shops Joseph H. Jones ...... Photo. & Graphic Arts

Ten Years

Patrick J. Asendorf, Jr. ..... ... Biology Henry Bednarz ...... Mech. Engineering Frank Chorzempa ..... Central Shops Robin R. Gianopoulos ...... Medical Arthur D. Harris ...... Accelerator Benedicto J. Scala Harold W. Siegelman Biology A. Ric Villacara ...... Personnel



Published Weekly for the Employees of **Brookhaven National Laboratory** 

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Ken Hoffman



Potted plants liven up a freshly painted window sill.



The long halls of the H-building are occupied once again.

## **Upton Nursery School**

Upton Nursery School is a cooperative learning center for three and four year olds, two or three days a week.

Applications are currently being taken for the 75-76 school year beginning in September. Class sizes are kept small and applications are accepted on a first come first

For further information please call Linda Lynn 924-8329.

The second in a series of Off-Site articles will appear next week. It will explore Suffolk County's 1000 miles of shoreline.



# **Hollow Halls Are Now Full**

The halls of the H-building, vacant since 1969, are now bustling with activity again. The sounds in the halls are not those of noisy dormers, but the rat-tat-tat of busy typewriters, the whirr of electronic calculators and the muffled voices of conferences behind doors

The H-building, located on Upton Road across from the women's residence, has been undergoing renovation since April. Working under an extremely tight schedule to have the building ready for occupancy by July 1, they were able to beat their deadline. By late June, the renovation of the building was sufficiently complete for habitation by members of the Engineering and Systems Division of DAS, headed by Ken Hoffman, and the Bio-Medical Assessment Group, a joint DAS-Medical Department enterprise headed by Dr. Leonard Hamilton.

The design and architectural work of the renovation project was done by Pete Mercier, and the construction was supervised by Arnold Benson, also of Plant Engineering.

The H-building was built in the 1940's when Camp Upton was a rehabilitation center. One half of the building was a women's dormitory and the other half was a men's. The two were divided from one another by a boiler room, making the center of the "H." When the Laboratory was formed on the Camp Upton site in 1947, the building continued to serve as a dormitory.

Today, the boiler room has been supplanted by a large conference and lecture area. The rest of the building has been divided into four wings, each occupied by a different group.

Four groups within the Energy and Systems Division of DAS, previously housed in the Cosmotron building, are now in the renovated H-building, formally known as Building 475. These are the Economic Analysis Group, headed by Bill Marcuse; the Energy Policy Analysis Group, headed by Phil Palmedo; the Energy Environmental Data Group, headed by Murrey Goldberg; and the Energy Technology Assessment Group, of which Ken Hoffman is the acting head. The Regional Studies Group, headed by Phil Palmedo, is also in the building.



Philip Palmedo



Murrey Goldberg



Bill Marcuse



Charles Elbert, P.E., brings boxes into the newly renovated H-building.

### Cafeteria Menu Week Ending July 18, 1975

Monday, July 14

Cream of Mushroom Soup

Chicken a la King on Rice 1.10 Cheese Omelet & 1 Veg. 1.00 Tuesday, July 15 French Onion Soup Chinese Pepper Steak on Rice 1.20 Stuffed Cabbage 1.20 Wednesday, July 16 Split Pea Soup Breaded Flounder Filet & fr. fr. 1.10 Special Spaghetti w/Meat Sauce & Garlic Bread All you can eat \$1.00 plus tax Thursday, July 17 Cream of Chicken Soup Macaroni & Chopped Beef 1.05 Veal Pattie Parmigiana & 1 Veg. Friday, July 18 Fish Chowder Broiled Filet & 1 Veg. 1.10 Beef Hash & 1 Veg.

## **Selected Reading**

Nature, 225, June 19, 1975

300 years of Greenwich: The next 300 years. F.G. Smith. 581-3 English astronomy before 1675. J.L. Russell.

The Greenwich Observatory: origins and early development, 1675-1835. E.G. Forbes.

Airy and after. A. J. Meadows. 592-6 Greenwich Observatory in the twentieth century. A. Hunter. 596-9

Sidelights on the Royal Observatory. P.S. Laurie. 599-602

Astronomy three hundred years ago. O. Gingerich. 602-6

Science 189, July 4, 1975

Absence of U.S. energy leadership. P.H. Abel-

White House science advisor: House Committee mulls Ford bill. R. Gillette. 28-9

Freedom of Information Act: Problem's at the FDA. G. Bari Kolata. 32-3

Ray fed up, quits State. 33

July 11, 1975 Brookhaven Bulletin

## **PE Staff Changes**

Named to replace Ed Hunter, who retired as Site Superintendent on June 30, is Herman Haller Jr., former General Supervisor, Roads and Grounds.

Haller, 35, was born in Queens and raised in New Jersey. When he was 12, his family moved to Bellport where Herm attended Bellport High. After graduation he joined the Navy and at the end of a 31/2 year tour started work at Brookhaven. As he rose through the ranks to his present position, Herm attended classes at Suffolk Community College and State Agricultural College at Farmingdale. He has always had an interest in BERA activities, as well as an active interest in boating and fishing.

Roy Barone, 38, named to replace Haller as General Supervisor, Roads and Grounds, started work at BNL in 1967 as Masonry Foreman. He was born in Manhattan and raised in Queens, where he graduated from Newtown High School. After his family moved to Patchogue, he worked in the construction field until joining the Brookhaven staff in 1956. Since then he has been in various positions with Plant Engineering until he became Masonry Supervisor last year. Roy and his family live in East Patchogue

Warren (Bud) Hulse, named to be Supervisor, Roads and Masonry, started work at Brookhaven in 1962, after a 12-year stint as a mason contractor. Bud was born and raised in Center Moriches where he attended grammar and high school. His main recreational interests lie in the outdoors, as an avid deer hunter and shark fisherman. He is a member of the Moriches Anglers and Vice Commodore of the Forge River Boat Club.

#### **Tennis Tournament News**

The annual BNL Tennis Championships start tomorrow morning, weather permitting, at the Lab courts. All entrants should consult the draw sheets for their match schedules. The draw is posted at the court bulletin board, the gym (NE entrance), and the BERA sales office in Berkner Hall.

Tournament play is scheduled for Saturday and Sunday, morning and afternoon, and throughout the week immediately after. The finals are scheduled the week of July 21. All matches will be scheduled by the Tournament Committee, and the courts will be reserved for these matches.

Good luck to all, and pray for nice weather.

## Golf League

Twenty-seven golfers turned out on Tuesday evening, July 1, for a nine-hole tournament at the Spruce Course of Middle Island Country Club.

George Korhut had the low gross score of 40. Korhut tied for low net with George Kuzmack and Tony Baltz at 36. Ed O'Connell had the longest drive on the sixth hole, and Jesse Becker was closest to the pin on the par 3 number eight.

#### **Archers Triumph**

BNL archers distinguished themselves the past few weeks. First we participated in a match with an accomplished shooter (45) bore from 500 yards) where three of us suffered defeat. However, the emphasis was on first place and that honor went to Joe Bauernfeind using an olympus compound bow. Joe achieved a score of 275 out of a possible 300, eleven points higher than Jim Gregory with the pistol. The scores of the "also rans" need not be mentioned.

The BNL contingent journeyed to Watkins Glen to engage archers from six mid-Atlantic states and the medal harvest was gratifying. Joe Bauernfeind corralled a gold for the "AA" Class. Bob Lundgren captured a bronze for a high flight in Class "A" and Lou Nicholosi received a bronze for another flight in Class "A."

The frosting was provided by David Schweizer who managed a gold in the youth division. If interested in Dave's exploit you may be able to pry details from his father "Don."

If a lack of success on the part of the writer is evident don't fret - I am saving it for the National in Vermont in two weeks. See you then!

-Carl Cantera



In the Exhibit Hall, after seeing "Brookhaven's Quest," are: (left to right) Calvin Lee, George Hardy, Sharon Gresham, Russell Scott, Brady Burton, Deborah Williams, Craig Scott and Henry

# **Preface Program Enters 2nd Year**

Summer at Brookhaven has not only brought with it sunny skies and balmy weather, but a large and varied group of students, pursuing a wide range of scientific studies and research. Students come from universities all over the United States, from East Coast to West Coast. One group of students is participating in the Preface Program.

The Preface Program is made up of incoming freshman at Howard University in Washington, D.C. The program was designed to give college bound students the unique opportunity of getting a first-hand look and feel for where their years of study can lead them. The eight students, two women and six men, will all be majoring in a branch of engineering, either electrical, civil, chemical or mechanical. They have been assigned to AGS, Plant Engineering, Applied Math, DAS and Instrumentation.

These departments and many more were visited by the students during a three-day Lab tour. There was surprise and enthusiastic interest voiced by the students at the

breadth of the research being carried on here at the Lab, especially in the areas of ecology and medicine. The overwhelming response on their part was, "There is so much one could learn here. This should really be an interesting experience.'

These guest research assistants arrived in the evening on Saturday, June 28, and were officially welcomed to BNL during a Monday morning "Meet the Students" coffee. by Renee Flack, Equal Opportunity Assistant, and their department supervisors. The students were given an overview of the Lab by "Brookhaven's Quest," a three-screen slide presentation. They were then given an extensive tour, followed by orientations by their advisors.

The Preface Program is jointly sponsored by ERDA and Howard University. This is its second year in operation at BNL, where it is coordinated by the Affirmative Action Office. The program will end August 8, allowing time for the students to return to Washington and prepare for their studies.

—G.G. Greenhouse

# Arrivals & Departures

#### Arrivals

Mohammad S. Akhtar	Medical
Michael A. Bender	Medical
Louis W. Ducote	Chemistry
Frank M. Endres	Plant Engrg.
Asher Etkin	Accelerator
Otto H. Jacobi, III	Accelerator
Richard L. Klobuchar	Chemistry
Leo B. Levitt	App. Science
Henry Makowitz	
David C. Rorer	Reactor
Carl E. Schwarz	App. Science
Jon T. Scott	App. Science
Efrain Segarra	Medical
Deepinder P. Sidhu	Physics
Prantika Som	Medical
Richard T. Spragg	App. Math.
Margaret A. Thomas	App. Science
-	

Departures

Christine B. Lazarus

#### **Swimming Pool Schedule** Effective Through August 31

Monday - Friday 11:30 a.m. - 1:00 p.m. 1:00 p.m. - 2:30 p.m.

Employees Only Children's Lessons Employees/Families/

Saturday & Sunday 1:00 p.m. - 6:00 p.m.

3:00 p.m. - 9:30 p.m.

Employees/Families/

Season Passes

\$10 Employee or Family Member \$20 Family

Daily Rates

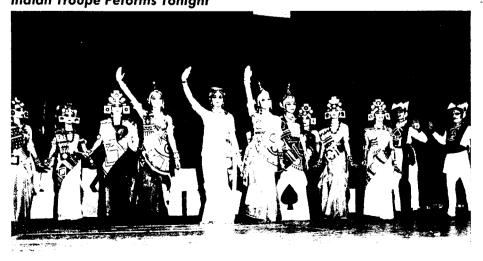
Employee/Family Member

75¢ Guest

Summer season will extend through September 30, 1975.

\*Only one guest per adult member may be admitted to the swimming pool at any one time without prior arrangements. Adult BERA member may arrange to have more than one but not more than five guests at any one time by making arrangements with the Recreation Representative in the Personnel Office in advance.

## Indian Troupe Peforms Tonight



This troupe of dancers and musicians from Calcutta, India, will be performing a satirical drama tonight at 8 p.m. in Berkner Hall. Tasher Desh (Land of Cards) takes place on an island where all actions are controlled by a fixed code of conduct. The characters are dressed as playing cards which symbolize the rigid society. Two shipwrecked youths bring knowledge of liberty which eventually destroys the old restrictive order and in the end all join in a song of emancipation. Tickets are \$3 for general admission and \$2 for students. They are available from the following people: Helen Keeley (AGS), Pat Towey (Physics), Gwen Bergin (DAS), Lynn Kalback (Biology), Jo Gazzola (Fiscal), Audrey Blake (Library), Jean Burke (Director's Office), Fran Caruso (Applied Math), Kathy Tuohy (Medical) and Ralph Weston (Chemistry).

## It's Here To Use

Brookhaven National Laboratory as we all know is not merely a place where you come to work eight hours a day, but a community offering a wide variety of services, facilities and recreational activities to its employees

The Brookhaven Employees Recreation Park, located at Brookhaven and Fifth Avenues, features a field area for softball. football and soccer, an archery range, a camping area, picnic tables, grills and horseshoe and volleyball courts. Reservations for parties may be made at the Recreation Office, located in the Personnel Building.

During lunch or after work employees can use the gymnasium which offers exercise programs, basketball, volleyball, pingpong, badminton, indoor tennis and soccer.

Six outdoor tennis courts are available for non-scheduled use except when tournaments are being held during the summer months.

One guest is permitted per adult BERA member for use of the recreation facilities. Special arrangements for up to five guests can be made at the Recreation Office.

There are many clubs and leagues on site. Among these are archery, camping, camera, radio (ham), french, judo, outing, chess, bowling, golf, and runners/cyclists. There are also art exhibits, concerts, a cooking exchange group and movies. For further information on these and other activities contact the Recreation Office, Ext.

There is a Research Library on Brookhaven Ave. which is open from 8:30 a.m. to 11 p.m., and for those who wish to stay longer, they may do so until 2 a.m. A Bookmobile, containing a collection of 2000 books, stops on the corner of Technology and Brookhaven in the Applied Math parking lot on alternate Fridays from 1:15-2:15 p.m. Books are loaned on a no-charge basis with a membership card obtained from the Suffolk County Cooperative Library at the Bookmobile. To find out the Bookmobile's next visit call the Recreation Office.

There is a bank at 2 S. Technology St. which is open from 10 a.m.-3 p.m. on Monday through Thursday, and 10 a.m. to 4 p.m. on Friday. The Cashier's Office, which is in the Fiscal Building at 37 Brookhaven Ave., will cash personal checks up to \$100 with proper identification. There is also a U.S. Post Office on Center St.

The cafeteria in Berkner Hall opens at 7:30 for breakfast and closes at 6:30 p.m. Hot lunch is served from 11:15-1:30 and hot dinner from 5-6:30 p.m. Beer is available after 5 p.m. On weekends and holidays hours are 9 a.m. to 2 p.m. There is also a Vended Food Service, which is open 24 hours a day, in the AGS building.

The Brookhaven Center is open to all for fun and relaxation, television and refreshments. Center Club summer hours are 5 p.m.-11:30 p.m. every evening. In the winter (October-May) the hours are 5 p.m.-11:30 p.m., Sunday to Friday.

Monday through Friday a Laboratory vehicle meets the 10:06 train at Patchogue. This train leaves Penn Station in NYC at 8:37 a.m. and Jamaica Station at 8:56 a.m. At 3:45 p.m. the bus leaves the Administration Building for the Yaphank Station to meet the 3:59 train. Prompt departure is necessary to meet the train, and riders should arrive at the Administration Building no later than 3:40 p.m. This tra rives at Jamaica at 5:47 p.m. and at Penn Station at 6:11 p.m. Please make reservations for the p.m. bus by calling Ext. 2345.

The Long Island Airport Limousine Service is available by calling 433-2277 Ext. 9. There are regular hourly and door-to-door service to Kennedy and LaGuardia.

The Citgo service station located on Rochester St. provides a car rental service. Their rental rates are: \$9 daily, 10¢ per mile, gas paid; \$55 weekly, 10¢ per mile, gas paid; \$220 monthly, 3¢ per mile, gas not paid. Six cars are available, and they must be picked up and returned to the station. Station hours are 8 a.m. to 5:45 p.m. on weekdays, 8 a.m. to 1 p.m. on Saturday. There is no service on Sunday.

The Brookhaven Bulletin provides a nocharge classified ad service to the BNL community. Ad forms are printed in each issue of the Bulletin or may be picked up in the Public Relations Office. The deadline for ads is Monday at noon.

The Public Relations Office located at 40 Brookhaven Ave. (Ext. 2345), provides information about the Lab for visitors and —Catherine Argyros employees.

#### Classified Advertisements

#### **Placement Notices**

Each week the Personnel Office lists personnel placement requisitions, currently being processed. The purpose of these listings is, first, to give notice of all non-scientific staff positions being filled and, second, to give employees an opportunity to request consideration for themselves through the Personnel Office. In filling vacancies, the Laboratory's objective is to give first consideration to present employees, as follows: employees within the immediate group having the vacancy, employees within the department or division, employees within the Laboratory as a whole.

For further information regarding a placement notice, or to request consideration for an available position, contact Supervisor, Personnel Placement & Development, extension 2874 or 2882.

136. TECHNICIAN - Seeking AAS degree or equivalent in electronics with strong electro-mechanical background in construction and maintenance of reactor instrumentation and related systems. Reactor Division.

137. NUCLEAR REACTOR OPERATOR - Seeking AAS degree or equivalent in electro-mechanical technology with training and experience in reactor operations, radiation sofety, and maintenance of Reactor Division.

138. OFFICE SERVICES ASSISTANT - Personnel Division.

139. CLERK TYPIST - Application deadline July 14, 1975. Supply and Materiel Division.

#### **Autos & Auto Supplies**

MAG CHROME WHEELS - 15" dish type, like new. \$115. Suzanne, Ext. 2441.

73 BUICK CENTURY - Wagon, 8 cyl, ac, perfect cond, owner left country. 286-1100, 878-2172 eves & weekends.

73 DATSUN - 610, air, am-fm, new radials, 21,000 mi, must sell, make offer. Tom, Ext. 3525.

63 IMPALA - Good cond. \$150. Ext. 3784, 473-0649. 66 PLYMOUTH FURY - Wagon, good cond. \$400. H. Barry, Ext. 3412, 878-2162 eves.

73 OLDS CUTLASS - 2 dr, full power, ac, excel cond, many extras. J. Weber, Ext. 2003, 472-0086.

VW PARTS - 1963, misc parts for 1200A engines, some other parts, make offer. G.A. Smith, Ext. 4285.

GEN & STARTERS - 12V, GM; 12V alternator & regulator, GM. \$3 ea. Dale Miller, Ext. 2022, 281-8579.

TRAILER HITCH - Fits 1972-73 Merc Montego, \$20. Dale Miller, Ext. 2022, 281-8579.

RIMS - 14" GM, \$2 ea; used 14" tires, \$1. Dale Miller, Ext. 2022, 281-8579.

CAR STEREO - 8 track tape, Audiovox, good sound w/slide mount, like new. \$35. Chuck, Ext. 3512.

12V CAR BATTERY - Excel cond, terminals on side.

\$20. George Woodson, Ext. 4526. RIMS - (2) 13", \$3; (2) 14" Ford Mustang, \$5. O.

Booker, Ext. 4719.
69 FORD WAGON - Country squire LTD, ps/pb, air,

radio. \$1050. Ext. 3045, 475-2131 after 6.

74 CHEVY IMPALA - Am/fm, stereo 8 track quad deck, pb (disc), ac, full power, 27,000 mi. \$4000 firm. 369-2463.

72 FORD MAVERICK - 6 cyl, 2 dr, red hdtp, auto, 56,000 mi, snows, \$1100 or best offer. Diane, Ext. 2441/2445.

64 CHEVY IMPALA - 4 dr hdtp, ps, radio, good running cond, good tires, best offer, Ext. 3611.

66 CHRYSLER - Full power, air, excel tires, good running cond, high mileage. \$350. Saxon, Ext. 3435.

71 MAVERICK - 4 dr, radio, auto, ps, vinyl roof. \$1400. Ext. 4127, 281-4549 after 5:30.

3 RADIAL TIRES - 1.65x15, Pirelli tubeless w/w, fair cond. \$5 each. 732-5829.

RIMS - (2) chrome reverse; (2) chrome keystone; all 14" Ford. Best offer. Mike Tesla, Ext. 3284.

MAG CHROME WHEELS - 15" dish type, like new. \$115. Suzgane, Ext. 2441

\$115. Suzanne, Ext. 2441.

12V BATTERY - Delco, good cond, terminals on side. \$20. G. Woodson, Ext. 4526.

67 CHEVY - 2 dr sedan, V8, stick, good cond. \$495. 757-0160.

68 CHRYSLER - Town & country station wagon, ps/pb,

air, super clean. \$950. Joe, Ext. 3273.

72 DATSUN - 1200, auto coupe, 33 mpg. Ext. 3236. 58 JEEP - Pick up, good engine, 4 wheel drive. \$250. Murdock, Ext. 4291, 878-1441.

VW ENGINES - Complete but not running, 40hp, \$20 each; also misc VW parts. Frank, Ext. 2022.

74 VEGA GT - 4 spd, standard trans, steel belted radials, posi-rear, de-fog, side moulding, ex cond.

\$3000. 744-6653. 73 CAMARO - ps/pb, all new w/w tires, 16,500mi,

excel cond. \$2800 firm. Mark, Ext. 3213 after 5.
72 NOVA - 4 dr, standard trans, 6 cyl, excel cond.

\$1750. 286-9260 eves. 72 YELLOW VEGA - 45,000 mi, snow tires, 2 dr se-

dan, good cond. 281-6130 eves.

VW MOTOR - 36hp parts, rods, head, crank shaft & fan shrouds, fly wheel, make an offer. Dale Miller, Ext. 2022, 281-8579.

57 MERCEDES BENZ - 220S sedan, radials, am/fm, reclining seats, restoration 80% complete, needs minor engine work. Bill Sunshine, 722-4976.

71 DODGE CHARGER - ps/pb/ac, best offer. J. Garrett, Ext. 4567, 286-1825 after 5.

72 CHRYSLER - Newport, all power, 38,000 mi. \$2000. 878-1895 eves.

72 CAPRI - 4 spd, new Michelen steel radials, excel gas mi. Bill Taylor, Ext. 4662, 298-4089.

71 NOVA - 2 dr, 6 cyl, automatic, 44,000 mi, 2 snow tires, 5 excel tires. \$1750. 732-8835 after 7.

TIRES -Asst sizes & cond, 13", 15", we have what

you need. 475-0144 after 6.
67 STATION WAGON - Olds Vistacruiser, well above average cond. Avail Aug 1. \$725. Ron, Ext. 4310.

66 FALCON - Small 6, auto, r&h, excel running cond, 82,000 mi. 286-0497 after 6.

65 BUICK RIVIERA - Ac, full power, ps/pb, auto, runs well, radio w/rear speaker. \$325. Bolster, 363-7406.

73 COUGAR - 28,000 mi, orig mi, auto, ps/pb, stereo, air, excel cond. Must sell. Jim, 475-1598.
65 JEEP WAGONER - 4 wheel dr, V8, auto, ps/pb,

L-78 tires, locking hubs, good cond. \$875. 325-0233. 70 RALLY SPORT CAMARO - Red w/black interior, vinyl top, automatic, ps, L-60 tires, mags, tinted glass, extras. \$1850. 399-1963.

#### **Boats & Marine Supplies**

MAST - New rigging, boom, dacron sails, tiller, rudder, daggerboard, from 16' Windmill class boat. Make offer, Ext. 4121.

14' BLUE JAY - Sailboat w/trailer, full set of sails. Tang, Ext. 3651.

RAY JEFF - VHF/FM radio, 1 yr old, list over \$450, sell \$275. Bob, Ext. 4411.

STARCRAFT - Fiberglass, 17%', 80 hp Johnson, elec start, good cond, extras. 878-2595.

OUTBOARD MOTOR - 5.4 hp Evinrude Zepher. \$50. Ext. 2972.
23' SKIFF LUHRS - Oak Lapstrake, gray marine en-

gine, all set to sail w/extras. 589-5689, 589-0461.

24' CATBOAT - "Marie", classic gaff rig, needs saving. \$1500 for a labor of love. Max Small, 286-8886. 32' BALTZAR - Twin 125 chrysler, less than 40 hrs on eng, camper back incl summer dockage at Week's.

331-1718.

36 PEDERSON 27' - Professionally restored & maintained, engine, gas, less than 100 hrs, in water, beautiful mahagany deck. Sacrifice \$2000. 281-7572 after

6.
23' WINNER VISCOUNT - All fiberglass, 120 hp in/out, s/s, head cabin, excel cond. \$2800. Murdock,

11' FIBERGLASS CARTOPPER - Tri-hull, ideal fishing boat. \$225. 589-4327 after 4.

19' DAY SAILER - Stainless steel hull w/fixed weighted keel includes trailer. \$1000. Ext. 3922.

72 FLEETWING 21' - Like Shark, center consol, 115b Merc, many extras, tandem trailer. Ext. 3120, 286-

19' RUNABOUT - Deep Vee, 85hp Merc, trailer, full canvas, extras, all 1974, must see. \$4400. Bill, 878-1912, 4-7 p.m.

HOBIE CAT - 14' Blue & White, used 4 times. Beach trailer incl. Excel cond. \$900. 744-2992.

#### Miscellaneous

Ext. 4291, 878-1441.

STEREO AMP - Paco, precision apparatus, 40 watt, tube type w/extra tubes, \$40; Heathkit FM tuner, \$10. Ext. 3593.

BICYCLES - 1 men's, 1 women's, \$15 each; portable Zenith TV, needs repair, \$5. Kris, Ext. 3073.

POWER DETANGLER - Gillette, in orig carton w/guarantee, never used. List \$25.50, asking, \$12. R. Horwitz, Ext. 4134.

TENNIS RACKET - Spalding award, very good cond. \$5. Pat, Ex. 3692.

TENNIS RACKET - Wilson "Jack Kramer", 4%", used 3 times. \$22. Ray, Ext. 3649.

DINETTE SET - 4 chairs, glass door cabinet, table; side table; 2 lamps; coffee table. Tang, Ext. 3651.

TABLE LAMP - Walnut base, \$20. Ext. 2041. BOOKS - Nancy Drew, Hardy Boys, etc. Daniel, 286-8724.

BICYCLES - 2 brand new 26" boy's 3 spd. \$50 each. Jeanne Weber, Ext. 2003, 472-0086 after 4.

EXERCISE MACHINE - Pedal type. \$10. Dale Miller, Ext. 2022, 281-8579.

LAWN MOWER - Sears reel, \$5; reel, self-propelled w/grass catcher, 2½ hp, \$30. Dale Miller, Ext. 2022, 281-8579.

ELECTRIC MOTOR - ¼ hp, \$10; ½ hp elec motor, \$10; both, \$15. Dale Miller, Ext. 2022, 281-8579.

FURNACE BURNER GUN - Sears, complete, \$10. Dale Miller, Ext. 2022, 281-8579.

JVC - 4 channel decoder w/amplifier, model VN-5101, 22 watts rms/ch, used 3 months. Rich Williams, Ext. 4259, 286-0893.

CAMERA - Polaroid Colorpack II. \$12. R. Williams, Ext. 4259, 286-0893.

BOOKS - Mystery, sci-fic, westerns, etc., all paper backs, 10¢, hard covers, 25¢. Rich Williams, Ext. 4259, 4207.

DECODER - Quadraphonic, Heathkit model AD 2022, all cables & access. \$25. Rich Williams, Ext. 4259, 4207, 286-0893.

WOMEN'S BICYCLE - Sears, single spd, like new. \$45. Bob, Ext. 4411.

TWIN BED - Very good cond. 286-8831.

GREAT IDEAS - Of the Western World, 54 vols, reading program, family participation program, best offer. 286-2798.

ANTIQUES - Large brass candlestick, victorian chairs, glassware, dishes, tables, elc brass candelabras, Belgium rug 12x-8. 472-0509.

ENGINEER'S LEVEL - Dietzen, precision, w/stadia, \$95; Brunning convertible eye level, \$55; Ext. 4058, 286-0436.

LAWN SWEEPER - \$8. Ext. 4058, 286-0436.

HALLICRAFTER SX-42 - W/speakers, needs work, have all manuals & parts. \$40. Ext. 4036.

LAB OVEN - 1 cu ft, 2 ft cube outer, all stainless, range 100°F - 500°F, 1300 watts. \$75. Ext. 4058, 286-

CONVERT SOFA - Castro, large w/2 pillows, very good cond. \$100. Ext. 2882, 727-2037 after 7.

STEREO - Masterwork, excel cond, needs minor speed adjustment only; 2 large speakers, turntable, amp, am/fm radio. \$150. Ext. 2882, 727-2037.

ELECTROPHONIC - Tape player & am/fm radio, works, elec, batteries or cig lighter, excel cond. \$75. Ext. 2882, 727-2037 after 7.

SHINGLES - White asbestos w/straight edge, 1½ boxes. \$8. Dale Miller, Ext. 2022. 281-8579.

LUMBER - Asst (20) 1x2x8', (4) 4x4x10', 6x6x10', 6x6x12', 2x12x8', 2x8x10', 2x10x4'. Dale, Ext. 2022, 281-8579.

FISHING EQUIP - Bay pole w/reel, \$15; 4x6 fish net, \$2; catch your own bait. Dale Miller, Ext. 2022, 281-8570

POOL FILTER - 24x4 pool, also some chemicals. 363-

OAK CHAIRS - 5 matching, reglued & refinished & caned, excel cond. 363-6597.

COLEMAN - 2 burner gas stove, \$10, full length rubberized canvas air mattress, \$5. Gary West, Ext.

PACHYSANDA - Excel ground cover, 25 plants flats, \$3.50. 929-4522.

AIR CONDS - Gibson 5000; 8000 btu 10 amp/115V Good cond. 475-0722.

BLUE JEANS - 3 pair, 32-31, assorted cond. \$3 each. 744-5871.

PHONOGRAPH - 4 spd portable, in good cond, \$10; GE spray & steam iron, good cond \$7. 928-1942.

DESK LAMP - Avacado color, \$8; B&D portable saw w/accessories, \$20.744-5871.

2 METAL ICE BOXES - (3) bedroom dressers; beds w/springs and mattresses, different sizes; table, chairs, many things for good use. 281-5385.

BABY ITEMS - Carrier seat, good cond, \$5; papoose carrier, \$4. O. Booker, Ext. 4719.

DEEP WELL HEAD - Used, uniflow, \$20; %" galv pipe, 60', new, \$25. Ext. 4761, 924-3556.

PACHYSANDRA - Good ground cover. 50 for \$5. 744-5448.

LAWN MOWER - 22" rotary, Sears,  $2\frac{1}{2}$  hp 4 cycle engine, good running cond. \$20. Ext. 4673.

BABY CARRIAGE - Good cond, \$20; floor fan on stand, 24", \$15. K. Hoffman, Ext. 2443.

VACUUM - Used electrolux, rebuilt motor, all attach-

ments, deluxe model, \$40. P. Oster, Ext. 4763.

TV - GE 20" b&w, portable on stand. \$15. 286-0682

after 6.
BEDROOM SET - Cherrywood, dbl bed, boxspring & mattress, low dresser w/mirror, high dresser. \$50.

727-5478 after 4.
BLACK LAB PUPS - AKC regis, shots & wormed, good

pedigree. C. Nielson, Ext. 3935, 325-0968. POOL - 28' doughboy steel, deluxe earth filter, all

access, never used, orig cartons. \$900. 744-4611.

TYPEWRITER - Mercury portable, good cond, best

offer, about \$30. Jerry, Ext. 3303 after 4.

WIRE BASKETS - W/luggage rack, ideal for paper deliveries, chromed, \$4; small bird cage, covers, seed tray, \$5; large bird cage, \$8. Irene Merritt, 589-

KID'S TOYS - Trikes, bikes, crazy cars, make an offer. Dale Miller, Ext. 2022, 281-8579.

SINK - Bathroom sink & faucet w/36" counter top, left hand sink, \$20. Al, Ext. 3650.

#### Real Estate

Real Estate advertised for sale or rent is available without regard for the race, color, creed or national origin of the applicant.

#### For Sale

SETAUKET - 2 story salt box, 5 bedrm, 2 bath, 2 car garage, ½ acre, walk to University & elem school. \$57,500. Landy, 751-1295, 751-0583.

CALVERTON/RIVERHEAD - Sale/rent, new town-house, 3 bedrm, 1½ bath, air, all appl. Suzanne, Ext.

RIVERHEAD - 3 bedrm ranch, panelled living room, dining room, w/w, s/s, full basement w/finished room, carport, city water & gas, alke rights, extras, adj large wooded area. Asking \$26,750. Ext. 2543, 727-0488.

CALVERTON/RIVERHEAD - Sale/rent, new town-house, 3 bedrm, 1½ baths, air, all appliances. Suzanne, Ext. 2441.

HANDYMAN'S SPECIAL - 2 story mother & daughter home, 2nd floor - 2 bedrm, dining room, kitchen, tile wall & floor; 1st floor, 2 bedrms, living room, dining room, kitchen, extended closed in porch, 100x100 fenced lot, 2 car garage, well constructed home, shade trees, low taxes. 281-5385.

BROOKHAVEN - Colonial 2 story on wooded ¾ acre, 3 large bedrm, 2½ baths, family room, Ig fireplace, full basement, 1½ car garage. 286-1024.

Ads left out of this issue because of lack of space need not be re-submitted in order to run in next week's issue

MEDFORD - Levitt, 5 bedrm, living, dining, kitchen, 14x20 den w/fireplace, all appl, carpet, patio. \$35,900. Jack, Ext. 4255, 289-6708.

SHIRLEY - Transferred, 3-4 bedrm, custom built, full heated basement, at-in-kitchen, dining, living, utility rms, w/w, s/s, garage, large treed plot. 95 Linden Ave. 281-8579, 281-2907.

#### For Rent

FURNISHED ROOM - Kitchen privileges. Ext. 3800, 585-3794.

PATCHOGUE - Small 2 bedrm house, furnished, near bay and docks, one month only beginning Aug 1st. \$295 incl utilities. Ext. 3818, 475-0154 after 7.

BELLPORT - 3 bedrm house, furnished, on 1½ acres, near bay, available 1 yr from Sept 1. Ext. 4581, 286-8639 after 6.

NYC - Upper east side, large studies apt w/piano, air cond, sublet immediately for 6-8 weeks. \$200/month. Ext. 3616, 751-3062.

ROOM - Furnished or unfurnished, kitchen privileges,

private entrance, Riverhead, nice location, by water. \$75/month. Ext. 2882, 727-2037 after 7. SOUND BEACH - 2 bedrm private house, large living room, kitchen w/dining area, 2 yr old, w/entrances,

near Sound, no pets, avail July 15. 543-1399. FURNISHED HOUSE - Sept 1 - June 30. 289-0795.

YAPHANK - 2 bedrm duplex, basement, dining room, 5 min to Lab, \$280/month includes heat. Avail Aug. 1. 281-2909.

CENTER MORICHES - 2 bedrm, private beach, water view, pleasant neighborhood, 1 yr or more. 878-0249.

#### Wanted

after 6.

LAB PERSONNEL - Interested in joining group to Great Adventure, Pippin, Wiz. Cathy, Ext. 2456, 732-6262 after 6.

TARGET RIFLE - 22 rimfire, very good cond, reasonable, left hand model preferred. Ed, Ext. 4636.

PIANO - Small spinet, upright or what have you. Saxon, Ext. 3435.

LABELS - Soup & bean. Send to F. Chandler, Bldg T-89.

TIRE - 600x6 & tube. Chester, Ext. 4452.

GERMAN LESSONS - I would like to take German lessons, going to Vienna in the fall. David Scheer, Ext. 2515 after 5.

GAS CAN - For Johnson 1957 outboard, good cond, 2 hose feed. Walt, Ext. 3607.
PUPPY SITTER - Aug 16-25, a great little summer job.

Joyce, 475-8406.

HOME - 8 puppies, miniature mix of shep, collie, lab, looking for home, 6 weeks old, free. Joan, 399-2084

HOME - 2 male hamsters w/large cage & accessor very friendly, adorable, free, 399-2084 after 6.

SALT WATER CASTING RODS - For conventional reels, lures, cheap. 727-7796, Jim, Ext. 3370.

ALUMINUM BOAT - Small. Bill Taylor, Ext. 4662,

298-4089. 2 WOMEN'S BIKES - (1) 3 spd, (1) 10 spd. Bill Taylor,

Ext. 4662, 298-4089.

BABYSITTER - To care for 15-month boy 1 long day a

week on site. Stewart C. Malloy. Ext. 3044.

HOME - For 4 month old tan & white female puppy, mom is a pedigree collie but not selective. 929-8626.

FLUTE - For beginner, reasonable, good cond. 286-

2-3 BEDRM HOUSE - To rent, on North shore, Sept. 1, will pay \$50 for info about house I move into. C. Calef, Ext. 2009.

CORONET - Good cond & reasonable. 281-6130 eves.

REFRIGERATOR - Small for camper, also stove &

porti-potti. Ext. 3120, 286-0626.

BOX SPRING - & mattress - ¾ bed, reasonable price.

SELDEN/FARMINGVILLE - Want to join or form carpool. Jolie, Ext. 3993.

CORAM/112 - Join or form. Stewart C. Malloy, Ext.

BELLPORT - Female needs transportation to and from BNL, 8:30-5. Leslie, Ext. 4756.

#### Lost & Found

Ext. 4159 eves.

FOUND - Wire wheel spokes w/center ball labeled A, may be pick up at Medical receptionist.

#### Car Pools

BELLPORT - Would like to form or join carpool from Bellport Village, non-rigid schedule. P. Haas, Ext. 2628.

MIDDLE ISLAND - Wish to join car pool from Middle Island as passenger only to begin end of July. Maria, Ext. 4207.

DRIVER - To complete 5-man (on-time) car pool from LIE exits 43-52 or further west. Pete, Ext. 3297.

#### Services

ANTIQUES SHOW - 7th annual, Sat, July 12, 10-5, Moriches Bay Historical Society, Havens House, Montauk Highway, E. Moriches. For information call Jean Lauer, Ext. 3298.

SUMMER PROGRAM - At Williams College, fine arts & tennis, Aug 3-10, instruc, private room. For complete info call 883-5629.

YARD SALE - Sat & Sun, July 12 & 13, 102 Floyd Rd,

Shirley, Wm Floyd Pkwy south, left on Stuart, right on Floyd Rd.

BASEMENT SALE - Sat, July 12, 10-5, moving, everything must go, 209 Revilo Ave, N Shirley, 281-5709.